Ansys Installation Guide for version 2024 R2 on Linux-

Step 1- Download ANSYS2024R2_LINX64_DISK1.iso, ANSYS2024R2_LINX64_DISK2.iso, ANSYS2024R2_LINX64_DISK3.iso, ANSYS2024R2_LINX64_DISK4.iso LINUX version and Ansys_2024a_dependencies.sh from the ISTF website under the Software category

Step 2- Installation Prerequisites for Linux. To install Ansys on ubuntu, run below commands first-

- sudo apt-get update
- sudo chmod +x Ansys_2024a_dependencies.sh
- Sudo sh -x Ansys_2024a_dependencies.sh

Step 2- Create tmp directory and mount the iso in it,

mkdir /tmp/disk1

mkdir /tmp/disk2

mkdir /tmp/disk3

mkdir /tmp/disk4

Step 3- Go to downloads directory using the below command

cd /home/student/Downloads

Step 4- Mount all the ISO files using in the below command-

mount -o loop ANSYS2024R2_LINX64_DISK1.iso /tmp/disk1

mount -o loop ANSYS2024R2_LINX64_DISK2.iso /tmp/disk2

mount -o loop ANSYS2024R2_LINX64_DISK3.iso /tmp/disk3

mount -o loop ANSYS2024R2_LINX64_DISK4.iso /tmp/disk4

Step 5- Once Mounted, go to tmp/disk1 directory

cd /tmp/disk1

Step 6- Enter the below command to initiate installation in UI mode-

sudo ./INSTALL

This command will open the installation in UI mode.

Step 7- Select "Install Ansys Products"

		Ansys	Installation Launcher		- 0 😣
	ion				English
C Legal) Sign-Ir	n Destinatio	n Product	s Options	Confirmation
Insta	ll Ansys Products				
Install An	sys License Manage	er			
📅 Getting Starte	d - Installation	📅 Getting Started - Licensing	📅 Installation Help		

Step 8- Select "I agree" and click on the Next button.

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Ansys Installation				English
Legal Sign-In	Destination	Products	Options	Confirmation
Please read the following license agreem CLICKWRAP AGREEMENT FOR LICU Version April 22, 2024 ***IF CUSTOMER HAS PREVIOUSLY AGRE AGREEMENT WITH ANSYS THAT SPECIFIC PROGRAM(S), SUCH AGREEMENT SUPER CLICKWRAP AGREEMENT FOR LICENSED AND THIS AGREEMENT FOR LICENSED AND THIS AGREEMENT BY CUSTOMER.*** **ANSYS MAY EMBED THE PROGRAM(S) V TECHNOLOGY THAT ACTIVATES AND REP INFORMATION TO ANSYS, INCLUDING GE INFORMATION, IF THE PROGRAM(S) OR L TAMPERED WITH OR REPLACED WITH UN CUSTOMER MUST FULLY READ AND UNDI (HEREIN) PRIOR TO ACCEPTANCE. ** NOTWITHSTANDING THE FOREGOING, TH AGREEMENT GOVERNING THE USE OF PR TO BETA LICENSES OF THE PROGRAM(S)	ent carefully: ENSED OFFERINGS ED IN WRITING TO AN ALLY GOVERNS USE OF THE SEDES AND REPLACES THIS OFFERINGS ("AGREEMENT"), ESS OF ANY ACCEPTANCE OF WITH ANTI-PIRACY ORTS IDENTIFICATION OGRAPHIC LOCATION CENSE KEYS HAVE BEEN AUTHORIZED VERSIONS. ERSTAND SECTION 14 HE TERMS OF ANY SEPARATE OGRAM(S) SHALL NOT APPLY UNLESS SUCH AGREEMENT	 I agree to the terms of extent applicable, the of geographic location I do not agree 	of the license agreement le cross-border transfer o on data under Section 11	, including, to the of data and collection

Step 9- Click on the Next button.

Legal Sign-In Destination Products Options Confirmat	ion
Installation Directory Path /usr/ansys_inc Browse Create the /ansys_inc symbolic link (will point to specified install direc	tory)

Step 10- Select the products per your requirements or as given in the picture below and click on the Next button.

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►	Platform					
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			Disk Space Available:			
4 Pi	nstallation Help					(Back Next >
	- instantation (fict)					

Step 11- Select "Yes, I will manually make my selections" and click on the Next button.



Step 12- Deselect NX Geometry Interface and Click on the Next button.

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NX Geometry Interfac	e				
Note: ACIS, Catia v4, IG	ES, Parasolid, STEP are c	onfigured by default and alw	vays available.		
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Step 13- Click on the Next button.

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Linux x64 Electronics Icepak (includes CFI Fluids Ansys Dynamic Rep CFD-Post only CFX (includes CFD-P Chemkin	D-Post) orting Post)				
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Step 14- Wait for the installation to start. After half the installation, it will ask to browse the next installation media. Browse the Disk2 and click choose and ok.

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	aNSYS2024R22			Folder	08/0	06/:42	2 AM
	🚞 VBox_GAs_7.0.18			Folder	08/0	07/:14	PM
	🚞 VBox_GAs_7.0.181			Folder	24/0	07/:05	5 AM
	🚞 VBox_GAs_7.0.182			Folder	02/0	05/:52	2 PM
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Step 15- It will ask to browse the next installation media. Browse the Disk3 and click choose and ok.

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Step 16- It will ask to browse the next installation media. Browse the Disk4 and click choose and ok.

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EXCLACTION:	/media/Student/	ANSTS2024R22/anscus	SU/LINX64.02		
📅 Installation Help				<	Back Next >
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	Directory: Files of type:	ANSYS2024R23 Directories			Choose Cancel	
📅 Installation Help						< Back Next >

Step 17- Click on the Next button

NSYS Installatio	n					
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Step 18- Click the Exit button to finish the installation.

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Ansys Installation					
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After completing this i	installation, you need to	run the Ansys, Inc. License M	anager installation on eac	h machine designated as	s a license server.
mese machines may	ave been specified duri	ig this installation of may ha	we been previously specifi		
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After completing this installation, the system will launch Licensing settings with a white blank screen, this can be closed.

Step 19- After the installation, go to the licensing directory

cd /ansys_inc/shared_files/licensing

Create a file using below command to fetch license from server

sudo nano ansysImd.ini

Add the following lines-

SERVER=1055@10.0.137.110

ANSYSLI_SERVERS=2325@10.0.137.110

Save and exit

Step 20- To open a Ansys module, use the below commands.

The paths specified assume that you installed the product using the symbolic link to /ansys_inc. If you did not, substitute your installation path for the path given below.-

istf@istf-ThinkCentre-M90:~\$ cd /ansys_inc/v242/Framework/bin/Linux64/
istf@istf-ThinkCentre-M90:/ansys_inc/v242/Framework/bin/Linux64\$./runwb2

Product	Command1	Command2
Mechanical APDL	CD /ansys_inc/v242/ansys/bin/	./ansys242
Ansys Workbench	CD /ansys_inc/v242/Framework/bin/< <i>platform</i> >/	./runwb2
Ansys CFX	CD /ansys_inc/v242/CFX/bin/	./cfx5
Ansys Fluent	CD /ansys_inc/v242/fluent/bin/	./fluent
Ansys ICEM CFD	CD /ansys_inc/v242/icemcfd/ <platform>/bin/</platform>	./icemcfd
Ansys Motion	CD /ansys_inc/v242/Motion/solver/	./rundfs.sh
Ansys Polyflow	CD /ansys_inc/v242/polyflow/bin/	./polyman
Ansys CFD-Post	CD /ansys_inc/v242/CFD-Post/bin/	./cfdpost
Ansys Icepak	CD /ansys_inc/v242/Icepak/bin/	./icepak
Ansys TurboGrid	CD /ansys_inc/v242/TurboGrid/bin/	./cfxtg
Ansys Autodyn	CD /ansys_inc/v242/autodyn/bin/	./autodyn242
Ansys ACP	CD /ansys_inc/v242/ACP/	./ACP.sh
Ansys Sherlock	CD /ansys_inc/v242/sherlock/	./runSherlock

Table 5.1: Startup Commands